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## NOTICE OF ALLOWANCE AND FEE(S) DUE

38013 7590 12/07/2009 HUNTON & WILLIAMS LLP/RAMBUS INC.

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EXAM	IINER								
NGUYEN, TAN									
ART UNIT	PAPER NUMBER								

2822 DATE MAILED: 12/07/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/716,595	11/20/2003	Michael Farmwald	57941.000062	7213

TITLE OF INVENTION: MEMORY DEVICE AND METHOD FOR OPERATING SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0	\$1330	\$1510	03/08/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED.</u> THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

# Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PURLICATION FE

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						(Date)				
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	1	ATTORNEY DOCKET NO.	CONFIRMATION NO.				
10/716,595 TITLE OF INVENTION	11/20/2003 : MEMORY DEVICE A	AND METHOD FOR OP	Michael Farmwald ERATING SAME		57941.000062	7213				
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nonprovisional	NO	\$1510	\$0	\$1330	\$1510	03/08/2010				
EXAM	INER	ART UNIT	CLASS-SUBCLASS							
NGUYE	N, TAN	2827	365-233000	•						
"Fee Address" ind. PTO/SB/47; Rev 03-0 Number is required.  3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address 12 or more recent) attach ND RESIDENCE DATZ less an assignee is ident h in 37 CFR 3.II. Comp	inge of Correspondence  Indication form and. Use of a Customer  A TO BE PRINTED ON	2. For printing on the p (1) the amms of a put or agents OR, alternati (2) the name of a sign registered attorney or a 2 registered patent will be listed, no name will be THE PATENT (print or ty data will appear on the p 17 a substitute for filing an (B) RESIDENCE: (CITY	3 registered patent avely, e firm (having as a nagent) and the names meys or agents. If no printed.  e) stent. If an assignee assignment.	is identified below, the o	document has been filed for				
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NOTE: The Issue Fee and interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepte tes Patent and Trademarl	ed from anyone other than t k Office.	he applicant; a registe	ered attorney or agent; or t	he assignee or other party in				
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WASHINGTON, DC 20006-1109

## UNITED STATES PATENT AND TRADEMARK OFFICE

#### UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS

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38013 75	90 12/07/2009		EXAM	UNER
HUNTON & WI	LLIAMS LLP/RAM	BUS INC.	NGUYE	N, TAN
	PROPERTY DEPART	TMENT	ART UNIT	PAPER NUMBER
1900 K STREET, I SUITE 1200	N.W.		2827 DATE MAII ED: 12/07/200	9

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 300 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 300 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

#### Application No. Applicant(s) 10/716.595 FARMWALD ET AL. Notice of Allowability Examiner Art Unit Tan T. Nauven 2827 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. This communication is responsive to the Terminal Disclaimer filed on 10/06/2009. The allowed claim(s) is/are 151-209. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) \( \subseteq \text{Some\*} \) c) \( \subseteq \text{None} \) of the: a) $\square$ All 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). \* Certified copies not received: \_\_\_\_\_. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. ☐ Examiner's Amendment/Comment Paper No./Mail Date 3/09,7/1/09,7/31/09 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance of Biological Material Other . /Tan T. Nguyen/

Primary Examiner, Art Unit 2827

Art Unit: 2827

 The Terminal Disclaimer submitted by Applicants on October 6, 2009 has been received and approved.

- The Information Disclosure Statements submitted by Applicants on March 26, 2009, July 1, 2009 and July 31, 2009 have been received and fully considered.
- Claims 1-150 have been canceled.
- Claims 151-209 are allowed.
- 5. The following is an examiner's statement of reasons for allowance:

The closest prior art to the present invention is Tam et al. (U.S. Patent No. 4,825,416). Tam et al. discloses a memory device having an initialization register coupled to a memory array. Tam et al. fails to show or suggest the combination of a register to store a value, a plurality of input receivers to sample operation codes synchronously with an external clock signal, wherein a first operation code instructs the memory device to store the value in the register, a second operation code instructs the memory device to perform a write operation. wherein in response to the second operation code, the memory device samples write data at a time determined using the value stored in the register (claims 151-170, 178-179); or the steps of adjusting a variable delay based on a comparison between a delayed clock signal and a first external clock signal, storing a value in a register, receiving a block size that indicates an amount of data to be sampled during a write operation (claims 171-177, 180-194); or a plurality of input receivers to sample input signals to produce sets of bits corresponding to control information, wherein a first set of bits instructions the memory device to store a

Application/Control Number: 10/716,595

Art Unit: 2827

value in a register, and wherein a second set of bits instructs the memory device to perform a write operation during which the memory device samples an amount of write data at a time determined using the value stored in the register (claims 195-209).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan T. Nguyen whose telephone number is (571) 272-1789. The examiner can normally be reached on Monday to Friday from 07:00 AM to 03:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian, can be reached at (571) 272-1852. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

Application/Control Number: 10/716,595 Page 4

Art Unit: 2827

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-

free).

/Tan T. Nguyen/ Primary Examiner, Art Unit 2827 November 09, 2009

# Index of Claims (continued)



Application/Control	No.

10/716,595 Examiner Tan T. Nguyen Applicant(s)/Patent under Reexamination

FARMWALD ET AL. Art Unit

2827

Rejected Allowed

(Through numeral) Cancelled Restricted

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